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(71) Applicant (for all designated States except US): **CANON  
KABUSHIKI KAISHA [JP/JP];** 3-30-2, Shimomaruko,  
Ohta-ku, Tokyo 146-8501 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MIYAZAKI,**

Jungo [JP/JP]; c/o Canon Kabushiki Kaisha, 3-30-2,  
Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP). **OUCHI,**  
Toshihiko [JP/JP]; c/o Canon Kabushiki Kaisha, 3-30-2,  
Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP).

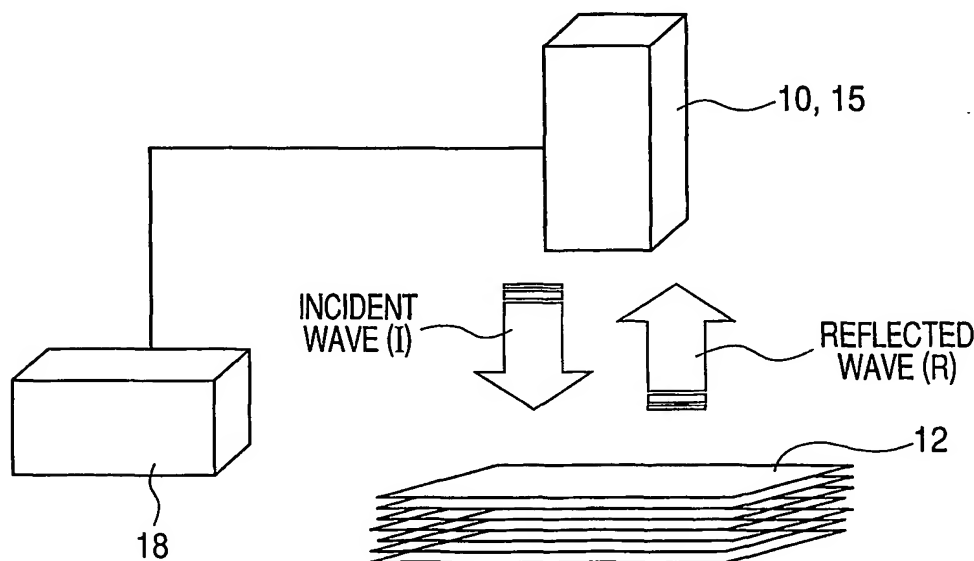
(74) Agents: **OKABE, Masao** et al.; No. 602, Fuji Bldg., 2-3,  
Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005 (JP).

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(54) Title: SYSTEM AND METHOD FOR COUNTING THE NUMBER OF LAYERS OF A MULTILAYER OBJECT BY  
MEANS OF ELECTROMAGNETIC WAVES



(57) Abstract: A system or method is adapted for counting the number of layers of a multilayer object such as a stuck of paper. An electromagnetic wave is caused to strike the surface of the multilayer object. Signals of the waves generated by reflection at the respective interfaces of the layers are evaluated to count the number of layers. Alternatively, the phase of the electromagnetic wave transmitted through the multilayer object, is evaluated to determine the number of layers. It is proposed to use frequencies from 30 GHz to 100 THz, ie. microwaves, millimeter waves and infrared waves.



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